	,			•		
54 CCC	108 CTC	162 CTT L	216 GCA A	270 CTG L	324 ACG T	378 AAG K
CAA	GCT	TTA L	CTT L	GAC D	AAG K	ATG M
TGT	GCA	GCT	GTT	GCT	9 299	9 299
45 CCT	225 66	153 ATG M	207 CTT L	261 TTG L	315 CAT H	369 AGA R
CAA	LOO	၁၁၅	TGT C	ATA I	CAA Q	ATG M
TTT	GTT	222	TCT	GAC D	CAG Q	9 299
36 TCC	90 CCT	144 TCG	198 GCA A	252 AAA K	306 AGG R	360 GGT G
229	CCT	AGA	AAT N	${ m TTG}$	TTC	TAT Y
၁၁၅	505	990	AAG K	AAT N	ACT T	ATG M
27 TCA	81 GCG	135 TCC	189 ACC T	243 ACG T	297 AAG K	351 ATG M
CCT	909	AGA	GGA G	TCC	ATT I	GAC D
TTT	GCA	ACC	${ m TTG}$	TCC	AGA R	GTG V
18 CTC	72 GGT	126 CCC	180 CTC L	234 GCT A	288 GCC A	342 ACT T
CTA	TCT	CTC	CGG R	AGT S	CAG Q	ATC I
CGT)))	TAC	GCC	GCC A	GAG E	CAA Q
9 GTT	939	117 TCT	171 GCC A	225 CAT H	279 AAG K	333 660 6
9 NCG CCG GTT CGT	၁၅၅	CTT	GCG	CGG R	CCT P	GTG V
NCG	GTC	117 TCC CTT TCT	ACT GCG T	GCC	ATA I	333 GTG GTG GGC V V G
5						

FIGURE 1A

432 CGA R	486 GAA E	540 ACA T	594 CCT P	648 TCT S	702 GCA A	756 TCT S
	-	7 A H	о о _с			
TTC	999	CCA P	CTG	ATG M	CGA R	GAC D
CGT R	GGT G	ATC I	GCT A	CCC	GCC	GAA E
423 ATC I	477 AAG K	531 CAT H	585 GCA A	639 CAC H	693 TTT F	747 TAT Y
9 9	GCT A	GGA G	AGG R	CTA L	AAC	ATT I
GAG E	AAG K	ACT T	AAG K	AAT N	AGT S	${ m TTG}$
414 GAT D	468 CCC P	522 GTA V	576 GCA A	630 ACC T	684 GAA E	738 GAG E
CCT P	CTA L	CTG L	TGG W	CCC	AGT	TGG
GAT D	${ m CTG}$	CTG L	GAG E	$ ext{TTT}$	AAC N	TAC Y
405 CTT L	459 AAA K	513 TGG W	567 AAA K	621 AAC N	675 CTC L	729 AAG K
GTT V	CAG Q	TTT F		GAC D		ACC
TCA S	TGC	${\rm TTA} \\ {\rm L}$	CTC	${ m CTG}$	ACA T	CGA R
396 ACA T	450 GAA E	504 GGC G	558 TGG W	612 ATG M	666 GTT V	720 AGC S
GAA E	CCT	GAG E	TCT	ACC T	GCT	ATC I
TAT Y	ATC	CCT P	GTA V	GTC V	GCA (GGT
387 GTC V	441 AGT S	'495 CTG L	549 CAG Q	603 GTG V	657 AGT S	711 CAG Q
${ m TTG}$	TTT	CCC	GAA E	CAT H	CTC	GCA A
GGA S	299	GAA	GAG E	TCC	CAG Q	TAT GCA (Y

FIGURE 1B

810 CTC L	819 828 837 846 855 864 GAA GGC AGC GGC ATT GAC TCT AAC CTG GAC TGG TCT CAC E G S G I G A I D S N L D W S H	918 CGC R	972 ACC T	1026 GCC A	L080 GTC V	1134 TTA L
AAT N	TCT	ACG	CAT	GCA A	$\operatorname*{CTT}_{L}$	AAG K
CGA R	TGG W	CTC	GCC	GCA A	GTG V	GAG E
801 TAC (Y)	855 GAC D	909 GAG E	963 AGT S	1017 TTT F	1071 GAA E	1125 GAT D
ATC I	CTG L	ACT T	GTA V	TCC	CAG	TCA
AAG K	AAC N	TTC	AAT N	CTG	AAT N	GTG V
792 GCA AAG A	846 TCT S	900 CAG Q	954 GGC G	1008 TAC Y	1062 GCA A	1116 GAT D
783 7 T TGT GTT GCA G C V A A	GAC	CAT H	GGT	CCT P	CTG L	AAA K
GTT V	ATT I	GAT D	GAG E	GAC D	GGA	
783 TGT C	837 GCC A	891 ACT T	945 CAT H	999 TCC S	1053 CAT H	1107 GTT V
CTA CCT	999	TAT Y	GAC D	$_{\rm L}^{\rm CTT}$	CTC L	GAA E
CTA L	ATT I	299	AGT	GCC	CCT	AAG K
774 AAG K	828 GGT G	882 TTA L	936 CAC H	990 AGT S	L044 GGG G	.098 CAG Q
ATC GCA I	AGC S	ATG M	ATC	299	5 CTG GCA GGG CCT C L A G P I	CTG L
ATC I		AAC N	ACC T	GTG V	$\mathop{\mathrm{CTG}}_{\mathrm{L}}$	CAG Q
765 CTA L		873 ACC T	927 CTC L	981 TTG L	.035 GGG G	.089 ACA T
GAT D	TAC AGA Y R	TTC	TAC Y	CAT H	AAC N	CTA L
765 ATG GAT CTA M D L	TAC	AAT TTC N	CTG TAC (981 AGC CAT TTG S H L	1035 ATG AAC GGG M N G	1089 TGG CTA ACA W L T

FIGURE 1C

1188 GGC G	1242 GCT A	1296 AAG K	305 1314 1323 1332 1341 1350 CCC AAT GTC CTC TTA GAG CAG GGT AAA GCC AAG AAT CCT TGG CCC AAT P N V L L E Q G K A K N P W P N	1404 AAT N	1458 CTC L	512 ACA T
1152 1161 1170 1179 1188 ATC TGG AAC ACA CTC AAC TCA GGA CGG GTT GTT CCA GGC TAT GGC I W N T L N S G R V V P G Y G	1206 1215 1224 1233 1242 CTA AGG AAG ACT GAT CCG CGA TAT ACC TGT CAG CGA GAG TTT GCT L R K T D P R Y T C Q R E F A	TAC Y	CCC	ATG M	1422 1431 1440 1449 1458 GTC CTG TTT GGG GTG TCA CGA GCA TTG GGT GTA CTG GCA CAG CTC V L F G V S R A L G V L A Q L	ATC TGG AGC CGA GCC TTC CCT CTA GAA AGG CCC AAG TCC ATG AGC ACA I W S R A L G F P L E R P K S M S T
299	GAG	CTG	TGG W	GAG	GCA A	ATG M
1179 CCA P	1233 CGA R	1287 CAG Q	1341 CCT P	1395 ACG T	1449 CTG L	1503 TCC S
GTT	CAG	GCT	AAT	ATG	GTA	AAG K
GTT V	TGT	GTT V	AAG K	299	GGT	CCC
1170 CGG R	1224 ACC T	1278 TTG L	1332 GCC A	1386 TAT Y	1440 TTG L	1494 AGG R
GGA	TAT	AAG	AAA K	TAT	GCA	GAA
TCA	CGA R	TTT F	GGT	CAG Q	CGA R	CTA
1161 AAC N	1215 CCG P	1269 ATG M	1323 CAG Q	1377 CTC L	1431 TCA S	1485 CCT P
CTC	GAT	CCC	GAG	CTG	GTG	TTC
ACA T	ACT T	GAC	TTA L	GTG V		199
1152 AAC N	1206 AAG K	1260 AAT N	1314 CTC L	.368 GGG G	1422 TTT F	1476 TTA L
TGG W	AGG R	CCT P	GTC V	J AGT S	. 1 CTG L	GCC A
ATC I	CTA L	${\rm crg}_{\rm L}$	AAT N	CAC H	GTC V	CGA R
1143 : TAC Y	1197 GTA V	1251 CAC H	.305 CCC P	.359 GCT A	1413 : ACG T	.467 AGC S
GAC D	GCA A	AAA K	GTĞ V	1359 GAT GCT D A	1 TAC Y	J TGG W
1143 CGA GAC TAC A	CAT	CTG L	1305 ATT GTG CCC A I V P N	GTA V	1413 TAC TAC ACG	ATC

FIGURE 1D

1566 CTG GGT	1620 TGT TTC	1674 ATA TGT	1728 TTC TTC	1782 ATG GTC	1836 CCT CAC	1890 TTG CAG
AGA	TTT	ATA	ວວວ	ວອວ	၁၁၁	990
1557 AAC TGG	1611 GTA TAC	1665 GCA CTG	1719 AAT GGT	1773 ATC ATA	1827 GTT TGG	1881 CAA AGC
TAA *	AAA	GAG	AAA	သသ	TAG	GGT
1548 TCA GGG S G	1602 AAA TAA	1656 ATA TCT	1710 AAG ATG	1764 GAG TTG	1818 TAT GAG	1872 TCC ATG
AAG K	CCT	ATT	TAA 1	TAT (TGG	GTT :
1539 GAC TCT D S	1593 AGG AAG	1647 GAT TAA	1701 AGA CTT	1755 GCC TGG	1809 TGC ATG	1863 GCT CCT
GTG V	GTG	TAA	TTA	CCT	TAA	CTG
1530 AAG TTT K F	1584 CAG AAA	1638 AAG ACT	1692 TAT AAA	1746 CCT TCC	1800 CAG GAC	1854 GAG AAT
ATG	TAC	TTA	AAA	CTC	GAC	AGT
1521 GAG GGT CTG ATG E G L M	1575 GAA AGT GAC TAC	1629 AGG GGG CCT	1683 TTG AGG TTA	1737 CCT AAT CAG	1791 GAG GAT	1845 TAT CTC TAG
GAG E	GAA	AGG	${ m TTG}$	CCT	CTG	TAT

1944	CCC	•
	TAA	
	CAA	
1935	CCT	0
-	AGC	•
	CCA	
1926	CTG	0
Н	TCT	•
	CCT	
1917	TTA	7
Π	CCT	•
	NGT CAC TIT GGA GCT TTA GCT TCT CTG CCA AGC CCT CAA TAA	
1908	m TTT	,
	CAC	•
	AGT	
899	$_{ m TGT}$	
—	ATC	•
	AGA	

966	TCA
-	TAG
	GGA
6861	GTT
	CAT
	AAT
0861	CAT AGG
-	CAT
	TTC
1971	TGT
_	TTC
	သည
1962	TGC CCC
_	CIC
	GGA
.953	CCA
	AAA
	AGC

2052	GCA AGA	2106	TGA CCA
	AAA CAC CTC CTA		AAG
2043	CTC	2097	TAT ACT ACC
	CAC		ACT
			\mathtt{TAT}
2034	GCA CAC	2088	CAA TTT TTT
	GCA	•	m TTT
	CAT		CAA
2025	TCC	 2079	TGG
•	CTC		CTT
	225		ATG
2016	TTG	2070	GAC
	၁၁၁		CTG GAC
	AGC		TAG
2007	CCA	2061	GGT
(7	GTA CCA	2	CCT GTT GGT
	CCT (CCT

2115 2124
TAT TGG CAT GGC ATT TTT TGG TGA TG 3'

FIGURE 1F

MALLTAAARLLGTKNASCLV 2171653 1 MALLTAAARL|F|G|A|KNASCLV| GI 164419 1 21 |LAARHASASSTNLKDILADL| 2171653 21 LAARHASASSTNLKDILADL GI 164419 I P K E Q A R I K T F R Q Q H G K T V V 41 2171653 41 <u>IPKEOARIKTFROOHGNTVV GI 164419</u> GQITVDMMYGGMRGMKGLVY 61 2171653 61 GQITVDMMYGGMRGMKGLVY GI 164419 ETSVLDPDEGIRFRGFSIPE 81 2171653 ETSVLDPDEGIRFRGYSIPE 81 GI 164419 101 CQK<u>L</u>LPKAKGGEEPLPEGLF 2171653 101 COKMLPKAKGGEEPLPEGLF GI 164419 121 WLLVTG<u>H</u>IPTEEQVSWLSKE 2171653 121 WLLVTGQIPTEEQVSWLSKE GI 164419 141 |WAKRAALPSHVVTMLDNFPT| 2171653 141 |WAKRAALPSHVVTMLDNFPT| GI 164419 161 NLHPMSQLSAAVTALNSESN 2171653 161 N L H P M S O L S A A I T A L N S E S N GI 164419 181 FARAYA<u>O</u>GI<u>S</u>RTKYWELIYE 2171653 181 FARAYAEGIHRTKYWELIYE GI 164419 201 DSMDLIAKLPCVAAKIYRNL 2171653 201 DCMDLIAKLPCVAAKIYRNL GI 164419 221 YREGS<u>G</u>IGAIDS<u>N</u>LDWSHNF| 2171653 221 YREGSSIGAIDSKLDWSHNF GI 164419

FIGURE 2A

TNMLGYTDHQFTEL<u>T</u>RLYLT 2171653 TNMLGYTDAOFTELMRLYLT GI 164419 IHSDHEGGNVSAHTSHLVGS 2171653 261 261 I H S D H E G G N V S A H T S H L V G S GI 164419 281 ALSDPYLSFAAAMNGLAGPL 2171653 GI 164419 281 ALSDPYLSFAAAMNGLAGPL HGLANOEVLVWLTOLOKEVG 2171653 301 301 <u>HGLANQEVLVWLTQLQKEVG</u> GI 164419 321 K D V S D E K L R D Y I W N T L N S G R 2171653 KDVSDEKLRDYIWNTLNSGR GI 164419 321 V V P G Y G H A V L R K T D P R Y T C Q 2171653 341 341 | V V P G Y G H A V L R K T D P R Y T C O | GI 164419 REFALKHLPNDPMFKLVAQL 361 2171653 361 REFALKHLPHDPMFKLVAQL GI 164419 YKIVPNVLLEQGKAKNPWPN 381 2171653 GI 164419 381 Y K I V P N V L L E O G K A K N P W P N V D A H S G V L L Q Y Y G M T E M N Y Y 401 2171653 GI 164419 V D A H S G V L L O Y Y G M T E M N Y Y 401 TVLFGVSRALGVLAQLIWSR 2171653 421 421 TVLFGVSRALGVLAOLIWSR GI 164419 ALGFPLERPKSMSTEGLMKF 2171653 441 ALGFPLERPKSMSTDGLIKL GI 164419 441 VDSKSG 2171653 461 461 V D S K GI 164419

FIGURE 2B